Index of Claims

| App | plication | Control | No. |
|-----|-----------|---------|-----|

09/782,608

Examiner

Raymond J. Bayerl

Applicant(s)/Patent under Reexamination

SMITH, MILTON

**Art Unit** 

2173

Rejected Allowed

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
|   |                                |

Restricted

| Z | Non-Elected  |
|---|--------------|
| 1 | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|       |  | <u> </u> |          |         |         | _          | ,            |          | Щ  |              |  |  |  |
|-------|--|----------|----------|---------|---------|------------|--------------|----------|--|--------------|--|--|--|
| Cla   | im   | Date     |          |         |         |            |              |          |  |              |  |  |  |
| Final | Original                                     | 3/11/04  | 10/14/04 | 3/31/05 | 8/15/05 | 12/1/05    |              |          |  |              |  |  |  |
|       | 1  | 1        | 1        | =       | ┢       | =          | ├            | -        | ╁  | ╁            |  |  |  |
|       | 1<br>2<br>3<br>4<br>5                        | 7 7      | Ì        | =       | =       | =          |              | -        |  | -            |  |  |  |
|       | 3  | V        | 1        | =       | =       | =          | $\vdash$     |          | $\vdash$   | $\vdash$     |  |  |  |
|       | 4  |          |          | =       | =       | =          |              |          |  |              |  |  |  |
|       | 5  | 7 7      | 7 7 7    | =       | =       | Ξ          |              | _        |  | _            |  |  |  |
|       | 6  | V        |          | =       | =       | =          |              |          |  | T            |  |  |  |
|       | 7  | V        | 1        | =       | =       | =          |              |          |  |              |  |  |  |
|       | 8  | 1        | ٧        | =       | =       | =          |              |          | _  | _            |  |  |  |
|       | 9  | V        | V        | =       | =       | =          |              |          | _  |              |  |  |  |
|       | 10   | 1        | 1        | =       | 1       | =          | <u> </u>     |          |  |              |  |  |  |
|       | 11   |          | V        | =       | =       | 트          |              | _        | <u></u>  | <u> </u>     |  |  |  |
|       | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | 1        | 1        | =       | =       | =          | <u> </u>     |          |  | <u> </u>     |  |  |  |
|       | 13   | 1        | 1        | =       | 1       | <u>  -</u> | _            |          |  | _            |  |  |  |
|       | 14   | ✓        |          | =       | ٧       | Ŀ          | <u> </u>     |          | <u> </u>   | <u> </u>     |  |  |  |
|       | 15   | ⊢        | 1        | =       | =       | =          | $\vdash$     |          |  |              |  |  |  |
|       | 10   | ⊢        | 1        | =       | =       | =          | -            | -        |  | ┝            |  |  |  |
|       | 10   | $\vdash$ | 1        | =       | =       | <u>=</u>   | ┝            | -        | _  |              |  |  |  |
|       | 10   |          | 1        | =       | =       | =          | -            | -        | -  |              |  |  |  |
|       | 19<br>20                                     | ┝        | 1        | =       | =       | ŀ₽         | _            |          |  | ├            |  |  |  |
|       | 21   | ┢        | 1        | Ē       | =       | =          | <del> </del> | ┝        | <del> </del>                                     | ├            |  |  |  |
|       | 22   | H        | 1        | =       | =       | =          | H            | $\vdash$ |  | -            |  |  |  |
|       | 21<br>22<br>23                               | ┞        | J        | =       | =       | =          | _            | $\vdash$ | H  | $\vdash$     |  |  |  |
|       | 24   |          | V        |         | =       | =          |              | $\vdash$ | H  |              |  |  |  |
|       | 24<br>25<br>26                               |          | 1        | 1       | =       | =          |              | $\vdash$ | $\vdash$   |              |  |  |  |
|       | 26   |          | <b>V</b> | 1       | =       | =          |              |          | Г  | _            |  |  |  |
|       | 27   |          | 1        | 1       | =       | =          |              |          |  |              |  |  |  |
|       | 28   |          | 1        | 1       | =       | =          |              |          |  |              |  |  |  |
|       | 27<br>28<br>29                               |          | 1        | 1       | =       | =          |              |          |  |              |  |  |  |
|       | 30<br>31                                     |          | ٧        |         | =       | =          |              |          |  |              |  |  |  |
|       | 31   | _        | ٧        | ٧       | =       | =          |              |          | L  |              |  |  |  |
|       | 32<br>33                                     | <u> </u> | V        | ٧       | =       | =          |              | <u> </u> | <u> </u>   | L            |  |  |  |
|       | 33   | <u> </u> | 1        | V       | =       | =          | <u> </u>     | _        | _  | <u> </u>     |  |  |  |
|       | 34   | <u> </u> | 1        | 1       | =       | Ε.         | <u> </u>     | <u> </u> | <u> </u>   | <del> </del> |  |  |  |
|       | 35<br>36<br>37                               | ├—       | 1        | 7       | Ë       | =          | $\vdash$     | -        | ├-   |              |  |  |  |
|       | 37   | ├        | 1        |         | -       | =          |              | -        | $\vdash$   |              |  |  |  |
|       | 38   | $\vdash$ | 1        | 1       | Ē       | =          | ├            | -        | <del> </del>                                     | $\vdash$     |  |  |  |
|       | 38<br>39                                     | $\vdash$ | 1        | 1       | 7       | Ė          | $\vdash$     | $\vdash$ | <del> </del>                                     | ┢            |  |  |  |
|       | 40   | $\vdash$ | 1        | Ť       | È       | =          | <del> </del> | -        | $\vdash$   | $\vdash$     |  |  |  |
|       | 41   | $\vdash$ | i        | 1       | Ē       | Ē          | -            |          | $\vdash$   | <del> </del> |  |  |  |
|       | 42   | Ι-       | V        | Ť       | =       | -          |              | $\vdash$ | $\vdash$   | 一            |  |  |  |
|       | 43   | $\vdash$ | V        | V       | -       | =          |              | Т        | Г  | Т            |  |  |  |
|       | 44   | Т        | V        | 1       | =       | =          |              |          | <del>                                     </del> |              |  |  |  |
|       | 45   | <u> </u> | 1        | 1       | =       | =          |              | Г        |  |              |  |  |  |
|       | 46   |          | 1        | 1       | ı       | н          |              |          |  |              |  |  |  |
|       | 47   |          | 1        | 7       | II      | п          |              |          |  |              |  |  |  |
|       | 48   |          |          |         |         |            |              |          |  |              |  |  |  |
|       | 49   |          |          |         |         |            |              |          | $\Box$   |              |  |  |  |
| 7     | 50   | "        | ı        | - 1     |         |            |              |          | i  |              |  |  |  |

| Claim    |          | Date     |          |          |           |         |                                     |          | 1              | Claim        |          |           | [        | Date            |           |   |              |              |              |  |  |                 |
|----------|----------|----------|----------|----------|-----------|---------|-------------------------------------|----------|----------------|--------------|----------|-----------|----------|-----------------|-----------|---|--------------|--------------|--------------|--|--|-----------------|
| Final    | Original | 3/11/04  | 10/14/04 | 3/31/05  | 8/15/05   | 12/1/05 |                                     |          |                |              |          | Final     | Original |                 |           |   |              |              |              |  |  |                 |
|          | 1        | 1        | 1        | =        | =         | =       | _                                   | _        |                | 1            | i        |           | 51       | Н               |           |   |              |              | ┪            | $\vdash$   | $\vdash$   | П               |
|          | 2        | 1        | 1        | =        | =         | =       |                                     |          |                |              | i        |           | 52       | П               | _         |   |              |              |              | T  | $\vdash$   | П               |
|          | 3        | 1        | 7        | =        | =         | ╘       |                                     |          |                |              | ĺ        |           | 53       | П               |           |   |              |              |              | $\Box$   |  | П               |
|          | 4        | <b>V</b> | 1        | =        | =         | =       |                                     |          |                |              | ĺ        |           | 54       | П               |           |   |              |              |              | Г  |  | П               |
|          | 5        | 7        | 7        | "        | =         | =       |                                     |          |                |              | ]        |           | 55_      |                 |           |   |              |              |              |  |  |                 |
|          | 6        | 7        | 7        | ш        | =         | =       |                                     |          |                |              | ]        |           | 56       |                 |           |   |              |              |              |  |  |                 |
|          | 7        | 1        | 1        | =        | =         | =       | L                                   |          |                | _            | Į        |           | 57       |                 | _         |   |              |              | L            | L  | _  |                 |
|          | 8        | 1        | 1        | =        | =         | =       | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          | _              | <u> </u>     | Į        |           | 58       | Щ               |           |   |              | L            | L            | L  |  | Ш               |
|          | 9        | <b>√</b> | 1        | =        | =         | =       |                                     |          |                | _            | Į        |           | 59       |                 | _         |   |              | L            | L            | L  |  |                 |
| <u> </u> | 10       | 1        | 1        | =        | 1         | =       | <u> </u>                            |          |                |              | ļ        |           | 60       | $\sqcup$        |           | _ |              | <u> </u>     | <u> </u>     | <u> </u>   |  | Ш               |
|          | 11       | 7        | 1        | =        | <u> =</u> | =       |                                     | <u> </u> | <u> </u>       | <u> </u>     |          |           | 61       | $\sqcup$        |           |   | _            | _            | _            | _  | Ľ  | Ш               |
|          | 12       | 1        | 1        | =        | =         | =       | $\vdash$                            |          |                | _            |          |           | 62       | $\square$       |           |   |              | _            | ┡            | ┡  |  | $\sqcup$        |
|          | 13       | 1        | 1        | =        | 1         | Ŀ       | _                                   |          | <u> </u>       |              |          |           | 63       | Н               |           |   |              |              | <u> </u>     | <u> </u>   |  | Н               |
| $\vdash$ | 14       | 1        | 7        | =        | 1         | -       | $\vdash$                            | -        | $\vdash$       | <u> </u>     |          |           | 64       | $\vdash \vdash$ |           |   | <u> </u>     | $\vdash$     | $\vdash$     | $\vdash$   | <u> </u>   | $\vdash \vdash$ |
| $\vdash$ | 15       |          | 1        | =        | =         | =       | $\vdash$                            |          |                | -            |          |           | 65       |                 |           |   |              | -            | <u> </u>     | <u> </u>   | <u> </u>   | Н               |
| <u> </u> | 16<br>17 |          | 7        | =        | =         | =       | $\vdash$                            | $\vdash$ |                | ┝            | <b> </b> |           | 66       |                 | _         |   |              |              |              |  | <del> </del>                                     |                 |
|          | 18       |          | 7        | =        | =         | =       | $\vdash$                            | -        | ┢              | -            | <b> </b> |           | 67<br>68 |                 |           |   | <del> </del> | ├            | ⊢            | ⊢  | <del> </del>                                     | Н               |
|          | 19       |          | 7        | -        | =         | =       | $\vdash$                            | ┢        | -              | $\vdash$     | l        |           | 69       |                 |           |   |              |              | ├—           | ├  |  | $\vdash$        |
|          | 20       |          | 7        | -        | =         | =       | -                                   |          | -              | ├            | }        |           | 70       | Н               | _         |   |              | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$   | Н               |
|          | 21       |          | V        |          | =         | =       | <del> </del>                        | -        |                |              | ł        | ļ <u></u> | 71       | $\vdash$        | -         |   | -            |              | ⊢            | ⊢  | $\vdash$   | Н               |
|          | 22       |          | 7        | =        | =         | =       | $\vdash$                            |          |                | -            | 1        |           | 72       | ┝─┤             | ᅱ         |   |              |              |              |  | H  | Н               |
|          | 23       | $\vdash$ | V        | =        | =         | =       | _                                   | $\vdash$ | $\vdash$       |              | 1        |           | 73       | Н               | $\neg$    |   |              | $\vdash$     | ┢            | $\vdash$   | <del>                                     </del> | $\vdash$        |
|          | 24       |          | 1        | 1        | =         | =       |                                     | $\vdash$ | T              |              |          |           | 74       | Н               | $\neg$    |   |              | Г            | ┢            | $\vdash$   | _  |                 |
|          | 25       |          | 7        | 1        | =         | =       |                                     | $\vdash$ | ┢              |              | ĺ        |           | 75       | H               |           |   |              |              |              | F  |  | $\sqcap$        |
|          | 26       |          | 1        | 1        | =         | =       |                                     | $\vdash$ |                |              | ĺ        |           | 76       | $\Box$          |           |   |              |              |              |  |  |                 |
|          | 27       |          | 1        | 1        | =         | =       |                                     | $\vdash$ |                |              | <b>i</b> |           | 77       | П               |           |   |              |              |              | Г  |  |                 |
|          | 28       |          | 1        | 1        | =         | =       |                                     |          |                |              |          |           | 78       | П               |           |   |              |              | T            |  |  | П               |
|          | 29       |          | 7        | 7        | =         | =       |                                     |          |                |              | ]        |           | 79       |                 |           |   |              |              |              |  |  |                 |
|          | 30       |          | <b>V</b> | 1        | =         | Ш       |                                     |          |                |              | ]        |           | 80       |                 |           |   |              |              |              |  |  |                 |
|          | 31       |          | 7        | 7        | =         | п       |                                     |          |                |              | ]        |           | 81       |                 |           |   |              |              |              | L.,  |  |                 |
|          | 32       |          | 1        | 1        | =         | =       |                                     |          | L              | L            |          |           | 82       |                 |           |   | <u> </u>     |              | Ĺ            |  |  |                 |
|          | 33       |          | 1        | <b>√</b> | =         | =       |                                     |          |                | L_           |          |           | 83       | $\sqcup$        |           |   | _            | ļ            | L            | L  |  | Ш               |
|          | 34       |          | 1        | 1        | =         | =       |                                     | L        | <u> </u>       | ╙            |          |           | 84       | Ш               |           |   | <u> </u>     | <u> </u>     | L_           | <u> </u> _                                       |  | Ш               |
| <u> </u> | 35       | <b>-</b> | 1        | 1        | =         | =       | $\vdash$                            | <u> </u> | ├-             | <del> </del> |          |           | 85       | $\sqcup$        |           |   | <u> </u>     | <u> </u>     | <u> </u>     | <u> </u>   |  | Щ               |
|          | 36       |          | 7        | 1        | 트         | =       | $\vdash$                            | <u> </u> | <u> </u>       |              |          |           | 86       |                 | _         | _ | <u> </u>     | $\vdash$     | $\vdash$     | ├  | <b> </b> _                                       | Щ               |
| $\vdash$ | 37<br>38 | H        | 7        | 7        | =         | =       | <u> </u>                            |          | <del> </del> — | ⊢            |          |           | 87       | $\vdash \vdash$ |           |   | <u> </u>     | ⊢            | <del> </del> |  | $\vdash$   | Н               |
|          | 38       | $\vdash$ | 7        | 7        | =         | =       | $\vdash$                            | $\vdash$ |                | $\vdash$     |          |           | 88<br>89 | $\vdash \vdash$ |           | _ | $\vdash$     | $\vdash$     | ├-           | ├  | $\vdash$   | Н               |
| $\vdash$ | 40       |          | 7        | 7        | =         |         |                                     | -        | ├-             | $\vdash$     |          |           | 90       | $\vdash \vdash$ |           |   | $\vdash$     | $\vdash$     | -            | ╁  | $\vdash$   | Н               |
|          | 41       | Н        | 1        | 7        | Ť         | =       | $\vdash$                            | $\vdash$ | $\vdash$       | <del> </del> |          |           | 91       | $\vdash \vdash$ | -         |   | -            | $\vdash$     | $\vdash$     |  | <del>  -</del>                                   | -               |
|          | 42       | Н        | Ť        | 7        | =         | =       |                                     | $\vdash$ |                | $\vdash$     |          |           | 92       | H               | $\neg$    |   |              | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$   | Н               |
| <u> </u> | 43       | Н        | 1        | 7        | -         | -       |                                     |          | $\vdash$       | $\vdash$     |          |           | 93       | $\vdash$        |           |   | _            | <del> </del> |              | -  | $\vdash$   | $\vdash$        |
|          | 44       | Н        | Ì        | 7        | =         | =       |                                     | Н        | <u> </u>       | <del> </del> |          |           | 94       |                 | -         |   | $\vdash$     | ┢            |              | <del>                                     </del> | $\vdash$   | Н               |
|          | 45       |          | 1        | Ī        | =         | =       |                                     | H        | T              |              |          |           | 95       | $\vdash$        | $\dashv$  |   |              | Т            |              | <del>                                     </del> |  | $\vdash \vdash$ |
|          | 46       | П        | 1        | 1        | =         | =       |                                     | Г        | $I^-$          | П            |          |           | 96       | H               | $\exists$ |   |              |              | 1            | T  | Г  | П               |
|          | 47       |          | 1        | 7        | =         | =       |                                     |          |                |              |          |           | 97       | H               |           | _ |              |              | T            | T  | П  | П               |
|          | 48       |          |          |          |           |         |                                     |          |                |              |          |           | 98       | $\Box$          | $\exists$ |   | Γ            |              | Γ            |  |  | $\sqcap$        |
|          | 49       |          |          |          |           |         |                                     |          |                |              |          |           | 99       |                 |           |   |              |              |              |  |  |                 |
|          | 50       |          |          |          |           |         |                                     |          |                |              |          |           | 100      |                 |           |   |              |              |              |  |  |                 |

| CI    | n i mn   | Date  |          |          |          |              |          |          |  |              |  |  |
|-------|--|---|----------|----------|----------|--------------|----------|----------|--|--------------|--|--|
| Cla   | aim  | _   |          | _        |          | Jate         | =        | _        | _  | _            |  |  |
| Final | Original   |   |          |          |          |              |          |          |  |              |  |  |
|       | 101<br>102   |   |          |          |          |              |          |          |  |              |  |  |
|       | 102  |   |          |          |          |              |          |          |  | П            |  |  |
|       | 103  |   | L        |          |          | _            |          |          | $ldsymbol{ld}}}}}}$ | Ш            |  |  |
|       | 103<br>104<br>105  | L.  | _        | _        |          | <u></u>      |          |          | _  | ldash        |  |  |
|       | 105  | _   |          | _        |          | ļ            |          | _        |  | _            |  |  |
|       | 106<br>107   | <del> </del>  | -        | _        | $\vdash$ |              | $\vdash$ | _        |  |              |  |  |
|       | 107  |   |          | -        | -        |              | H        | _        |  |              |  |  |
|       | 108  |   | H        | $\vdash$ |          |              | H        |          |  |              |  |  |
|       | 110  |   |          | $\vdash$ |          |              |          |          |  |              |  |  |
|       | 111  |   |          |          | _        |              | _        |          | _  |              |  |  |
|       | 112  |   |          |          |          |              |          |          |  |              |  |  |
|       | 110<br>111<br>112<br>113<br>114<br>115<br>116                      |   |          |          |          |              |          |          |  |              |  |  |
|       | 114  |   |          | L        |          |              | L        |          |  |              |  |  |
|       | 115  | $\vdash$  | $\vdash$ | <u> </u> | <u> </u> | _            | $\vdash$ |          | $\vdash$   |              |  |  |
|       | 116  |   | H        | <u> </u> | <u> </u> | _            | L        |          | H  |              |  |  |
|       | 117  | $\vdash$  | ⊢        | $\vdash$ | $\vdash$ | _            | $\vdash$ |          | H  | $\vdash$     |  |  |
|       | 110  |   | ┢        | -        | ┝        |              |          |          | H  |              |  |  |
|       | 117<br>118<br>119<br>120<br>121                                    | -   | H        | $\vdash$ | $\vdash$ | ├            | -        |          |  |              |  |  |
|       | 121  |   |          | $\vdash$ |          | $\vdash$     | -        |          | -  | -            |  |  |
|       | 122  |   | $\vdash$ | H        | -        | <u> </u>     |          | -        | -  | -            |  |  |
|       | 123  |   |          |          |          |              |          |          |  | П            |  |  |
|       | 124  |   |          |          |          |              | Г        |          |  |              |  |  |
|       | 125  |   |          |          |          |              |          |          |  |              |  |  |
|       | 122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131 |   | _        | _        |          | <u> </u>     |          |          | _  |              |  |  |
|       | 127  |   |          |          |          | _            | L        |          |  |              |  |  |
|       | 128  |   |          |          |          |              |          | _        | L  |              |  |  |
|       | 129  |   |          |          |          |              | <u> </u> |          |  | Н            |  |  |
|       | 130  |   | H        | $\vdash$ | _        | ┝            | -        | _        | _  | <del> </del> |  |  |
|       | 132  |   | -        | <u> </u> | <u> </u> | ├            | $\vdash$ |          | H  | ┝            |  |  |
|       | 133  |   | $\vdash$ | H        |          | <del> </del> |          |          |  | -            |  |  |
|       | 133<br>134<br>135  |   |          | Т        | $\vdash$ |              | _        | _        | -  |              |  |  |
|       | 135  |   |          |          |          |              |          |          |  |              |  |  |
|       | 136<br>137   |   |          |          |          |              |          |          |  |              |  |  |
|       | 137  | _   |          |          |          |              |          |          |  |              |  |  |
|       | 138<br>139   | _   | _        | Ш        | _        | <u> </u>     |          |          |  |              |  |  |
|       | 139  | <u> </u>  | _        |          |          | <u> </u>     | <u> </u> | <u> </u> | ļ  | _            |  |  |
|       | 140  | H   | H        | H        |          | _            | ⊢        |          |  | $\vdash$     |  |  |
|       | 141  | $\vdash$  | H        | H        | H        | $\vdash$     | $\vdash$ | -        | H  | H            |  |  |
| -     | 143  | $\vdash$  | Н        | H        | H        | $\vdash$     | ┢┈       | H        | Н  | $\vdash$     |  |  |
|       | 144  | $\vdash$  |          | _        |          | $\vdash$     |          | -        | -  | $\vdash$     |  |  |
| -     | 145  | $\vdash$  | П        | Т        |          | _            |          | Т        |  |              |  |  |
|       | 146  |   | Г        | Г        |          |              | П        | _        | Т  | П            |  |  |
|       | 147  |   |          |          |          |              |          |          |  |              |  |  |
|       | 148  |   |          |          |          |              |          |          |  |              |  |  |
|       | 149  |   |          |          |          |              |          |          |  |              |  |  |
|       | 150  | $ldsymbol{ld}}}}}}}$ | L.       |          |          |              |          |          | L  | L            |  |  |